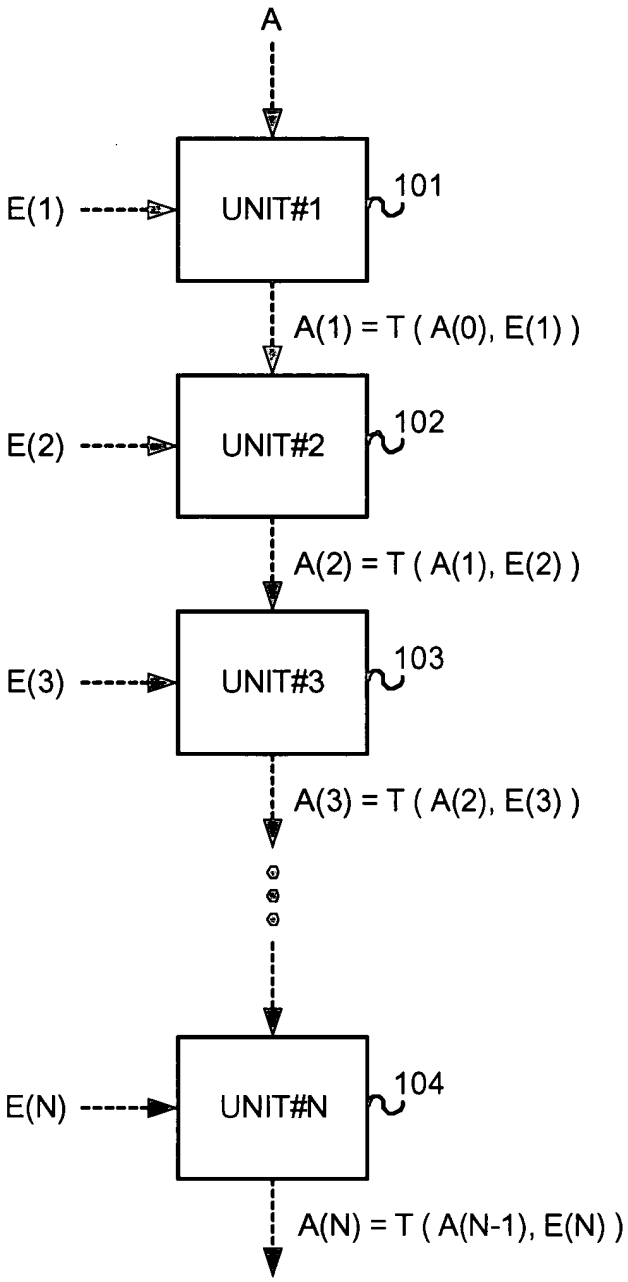

A
E(1)
UNIT#1
101
A(1) = T (A(0), E(1))
E(2)
UNIT#2
102
A(2) = T (A(1), E(2))
E(3)
UNIT#3
103
A(3) = T (A(2), E(3))
E(N)
UNIT#N
104
A(N) = T (A(N-1), E(N))

FIG.1

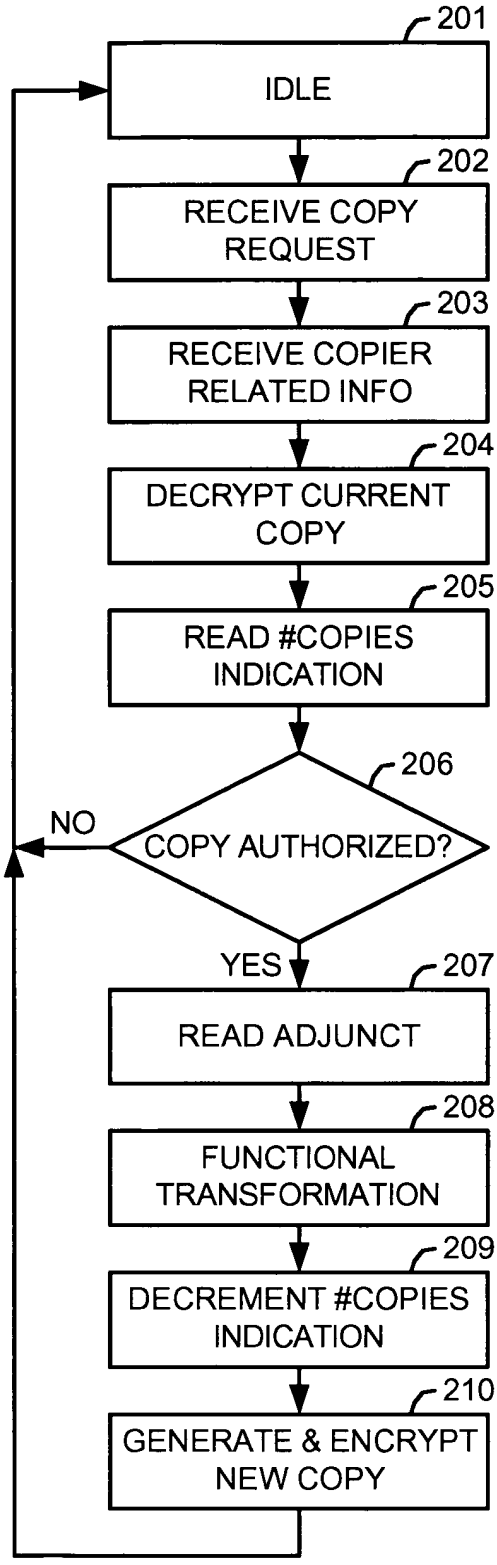

201
IDLE
202
RECEIVE COPY REQUEST
203
RECEIVE COPIER RELATED INFO
204
DECRYPT CURRENT COPY
205
READ #COPIES INDICATION
206
COPY AUTHORIZED?
NO
YES
207
READ ADJUNCT
208
FUNCTIONAL TRANSFORMATION
209
DECREMENT #COPIES INDICATION
210
GENERATE & ENCRYPT NEW COPY

FIG.2

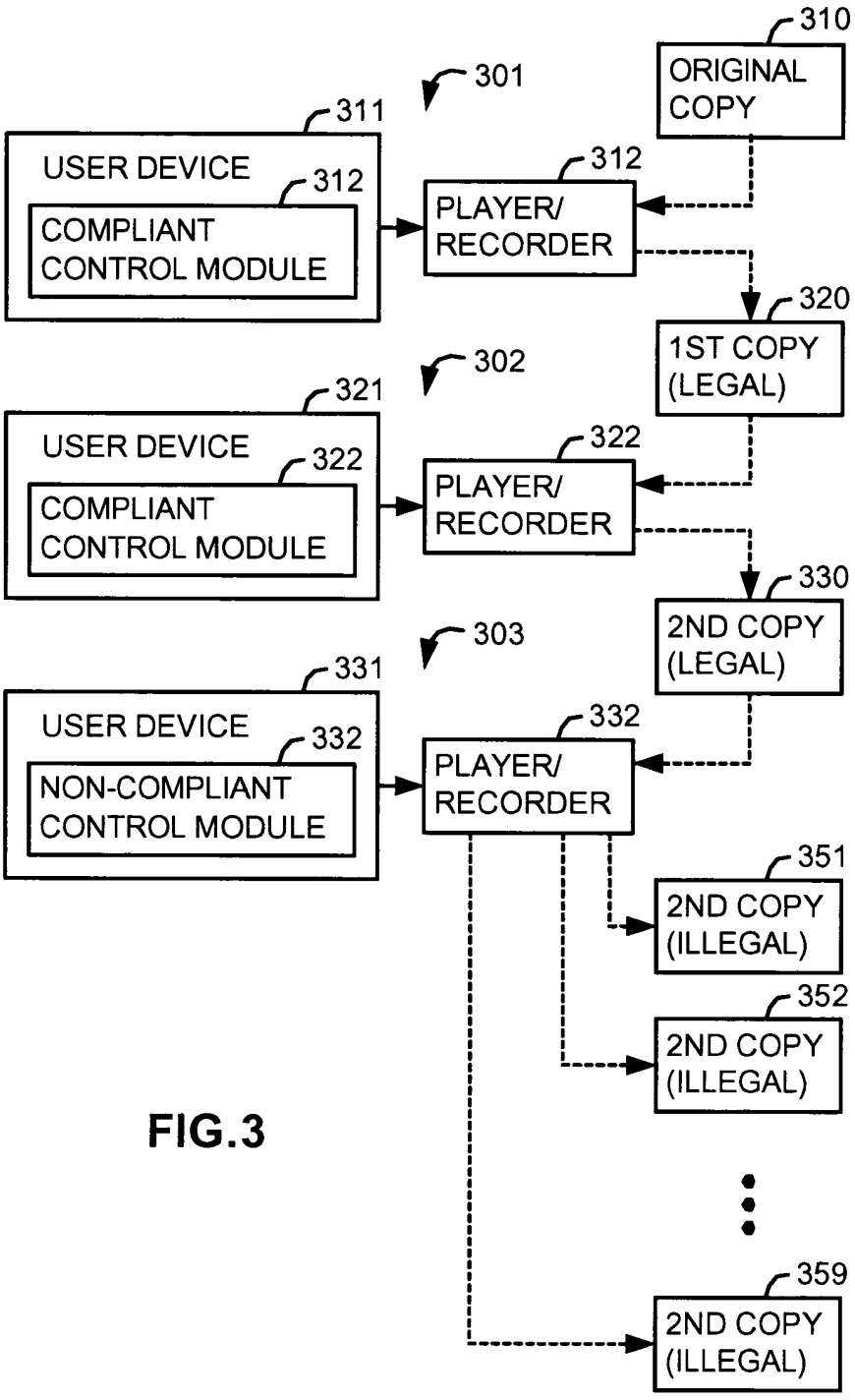

310
ORIGINAL COPY
301
311
USER DEVICE
312
COMPLIANT CONTROL MODULE
312
PLAYER/ RECORDER
320
1ST COPY (LEGAL)
302
321
USER DEVICE
322
COMPLIANT CONTROL MODULE
322
PLAYER/ RECORDER
330
2ND COPY (LEGAL)
303
331
USER DEVICE
332
NON-COMPLIANT CONTROL MODULE
332
PLAYER/ RECORDER
351
2ND COPY (ILLEGAL)
352
2ND COPY (ILLEGAL)
359
2ND COPY (ILLEGAL)

FIG.3

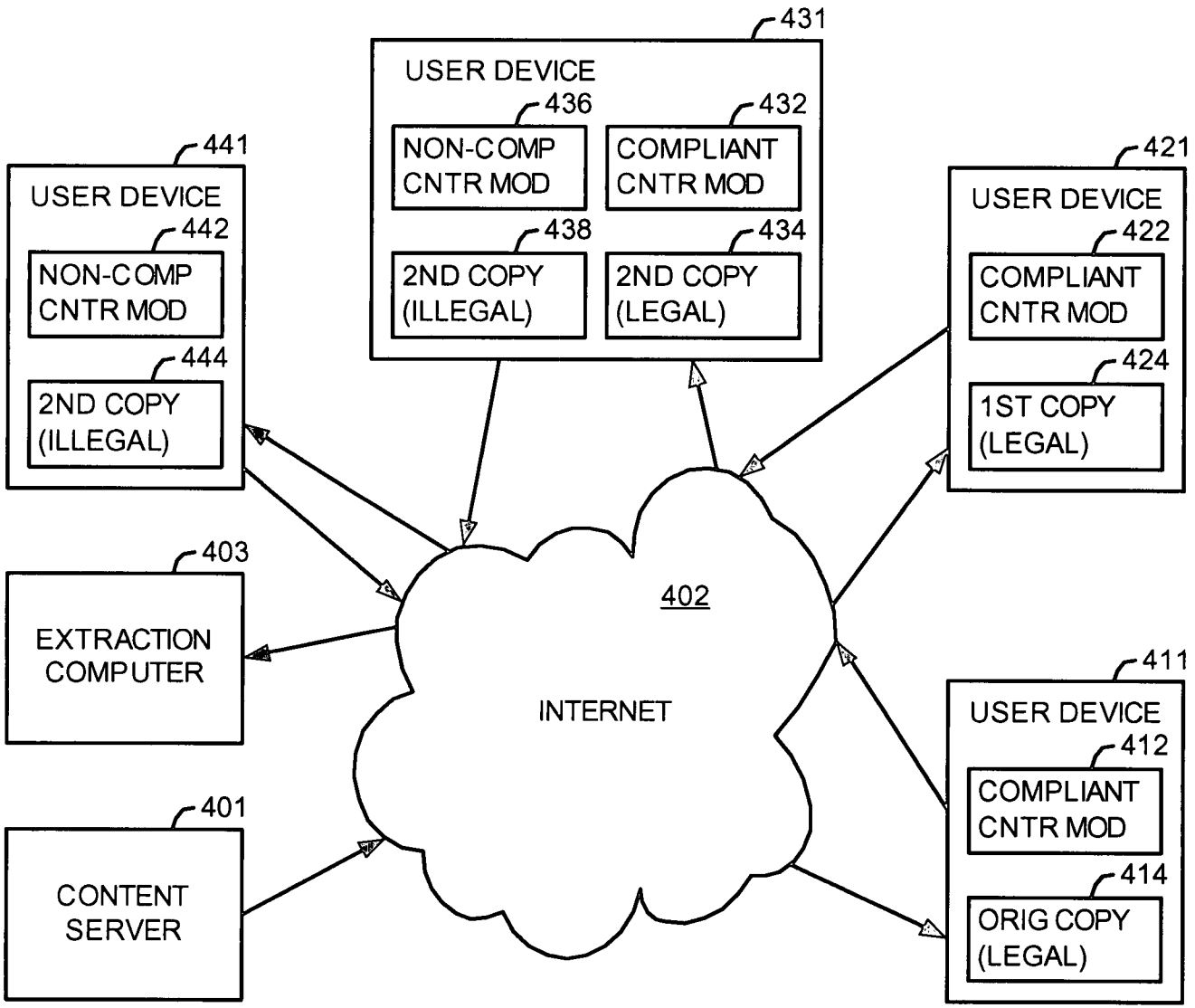

431
USER DEVICE
436
NON-COMP CNTR MOD
432
COMPLIANT CNTR MOD
438
2ND COPY (ILLEGAL)
434
2ND COPY (LEGAL)
441
USER DEVICE
442
NON-COMP CNTR MOD
444
2ND COPY (ILLEGAL)
421
USER DEVICE
422
COMPLIANT CNTR MOD
424
1ST COPY (LEGAL)
403
EXTRACTION COMPUTER
402
INTERNET
401
CONTENT SERVER
411
USER DEVICE
412
COMPLIANT CNTR MOD
414
ORIG COPY (LEGAL)

FIG.4

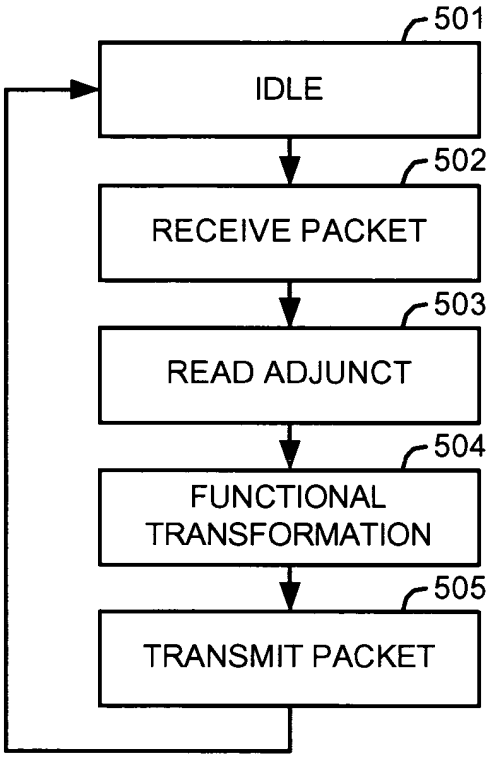

501
IDLE
502
RECEIVE PACKET
503
READ ADJUNCT
504
FUNCTIONAL TRANSFORMATION
505
TRANSMIT PACKET

FIG.5

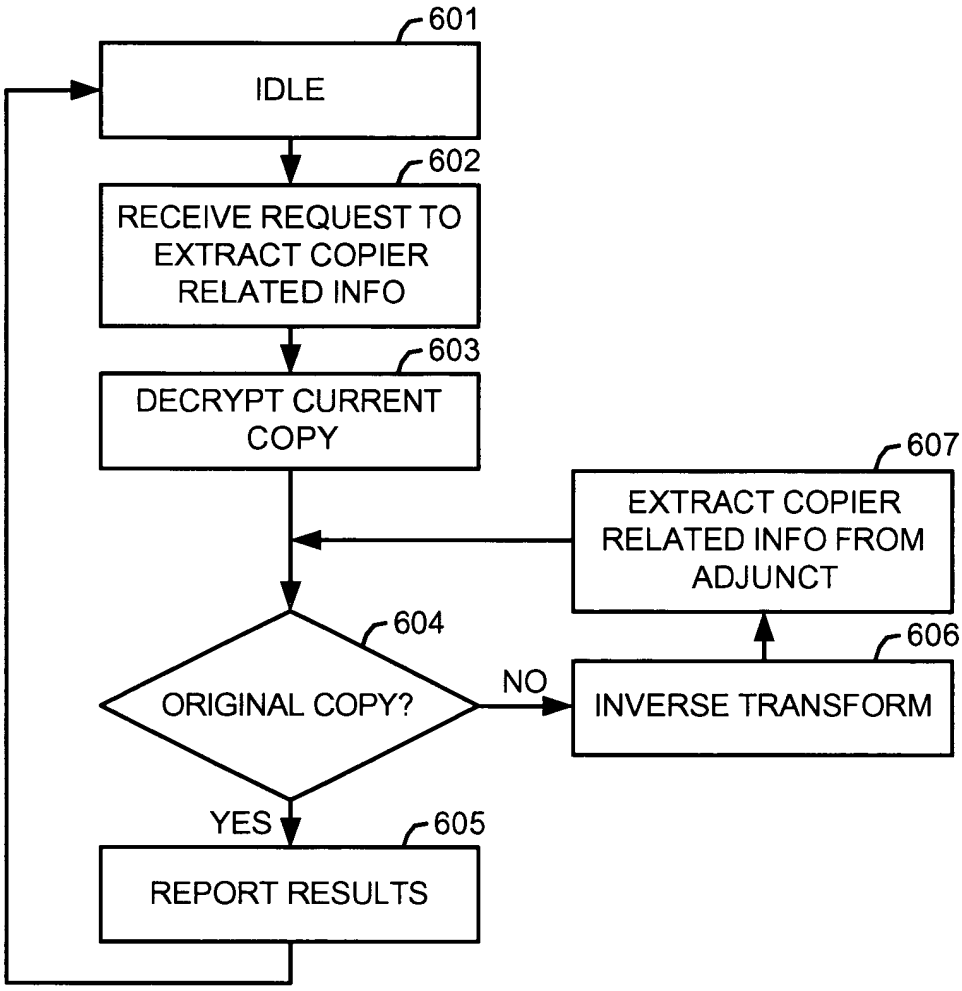

601
IDLE
602
RECEIVE REQUEST TO EXTRACT COPIER RELATED INFO
603
DECRYPT CURRENT COPY
607
EXTRACT COPIER RELATED INFO FROM ADJUNCT
604
ORIGINAL COPY?
NO
606
INVERSE TRANSFORM
YES
605
REPORT RESULTS

FIG.6

A(0)

s	a	m	p	l	e	_	A
0111001	01100001	01101101	01110000	01101100	01100101	01011111	01000001

E(1)

i	d	1	i	d	1	i	d
01101001	01100100	00110001	01101001	01100100	00110001	01101001	01100100

B1

0111001	01100001	01101101	01110000	01101100	01100101	01011111	01000001
%1a	%05	\	%19	%08	T	6	%

E(1)

i	d	1
01101001	01100100	00110001

K

m	m	m
01101101	01101101	01101101

B2

00000100	00001001	01011100
%04	%09	\

FIG.7

B2	%04	%09	\
	00000100	00001001	01011100

K	m	m	m
	01101101	01101101	01101101

E(1)	01101001	01100100	00110001
	i	d	1

FIG.8

B1	%1a	%05	\	%19	%08	T	6	%
	0111001	01100001	01101101	01110000	01101100	01100101	01011111	01000001

E(1)	i	d	1	i	d	1	i	d
	01101001	01100100	00110001	01101001	01100100	00110001	01101001	01100100

A(0)	0111001	01100001	01101101	01110000	01101100	01100101	01011111	01000001
	s	a	m	p	l	e	_	A